



Bag Filter Systems for Dust Collection



Overview

- A dust collector is a system used to enhance the quality of air released from industrial and commercial processes by collecting dust and other impurities from air or gas.
- The cartridge-based dust collecting system replaces bags with cylindrical or oval shaped cartridges that are open on both ends and are lined with pleated filtering media. One end of the cartridge is sealed with the open end used for clean exhaust. The air stream is forced through the outside of the cartridge to the inside.
- The cartridges are kept clean by compressed air blown into them, which removes built up dust that falls into the hopper below.

Features & Benefits

- High removal yield for coarse and fine dust
- Varying load does not influence pressure drop and efficiency
- Collected dust can possibly be re-used in the process
- Residual emissions are determined by incoming concentrations
- Relatively easy to use

Application

- Foundry & Steel, Cement, Boilers Flue Gas, Kiln Exhaust
- Solids Drying, Mining and Minerals, Glass, Particle Board Mfg
- Wood-Working and laminates, Air Pollution Control Systems
- Hot Gases and Fumes, Coal Handling

Specification

- Modular Designs Available starting from 100 m³/hr to 4,00,000 m³/hr.
- Tool less installation/replacement of bag & Cages.
- Variety of Filter media available for different applications.
- Can handle 300°C hot gas.
- Downdraft Airflow Direction for Best Dust Separation At Inlet
- Reliable & Efficient for critical Powder/Dust
- Continuous Duty Operation
- Lower Pressure Drop In Comparison with Hose Bag Type Bag Filters